

SCIENCE ADVISORY BOARD

19 November, 2013

Beacon Hotel, Washington, DC

KATHRYN D. SULLIVAN, PH.D.
ACTING UNDER SECRETARY OF
COMMERCE FOR OCEANS AND
ATMOSPHERE AND NOAA
ADMINISTRATOR



WELCOME NEW SCIENCE ADVISORY BOARD MEMBERS

Michael Donahue, Water Resources and Environmental Services

Walter Faulconer, Strategic Space Solutions

Robert Hicks, The College of William and Mary, Department of
Economics

David Lodge, University of Notre Dame, Department of Biological
Sciences

Jennifer Logan, Harvard University, School of Engineering and
Applied Sciences

Stephen Polasky, University of Minnesota, Department of
Applied Economics

Lynn Scarlett, Center for Ecological Wealth, Resources for the
Future

Robert Winokur, U. S. Navy (retired)

CHANGES IN LEADERSHIP



Dr. Mark Schaefer
Assistant Secretary
of Commerce
for Conservation
and Management

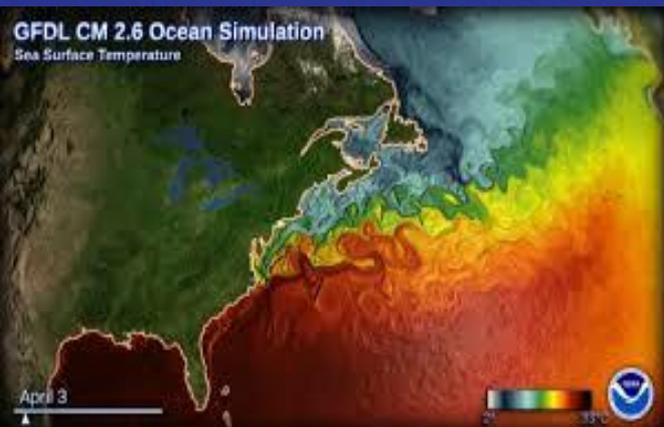


RADM Michael Devany
future Deputy Under
Secretary for Operations

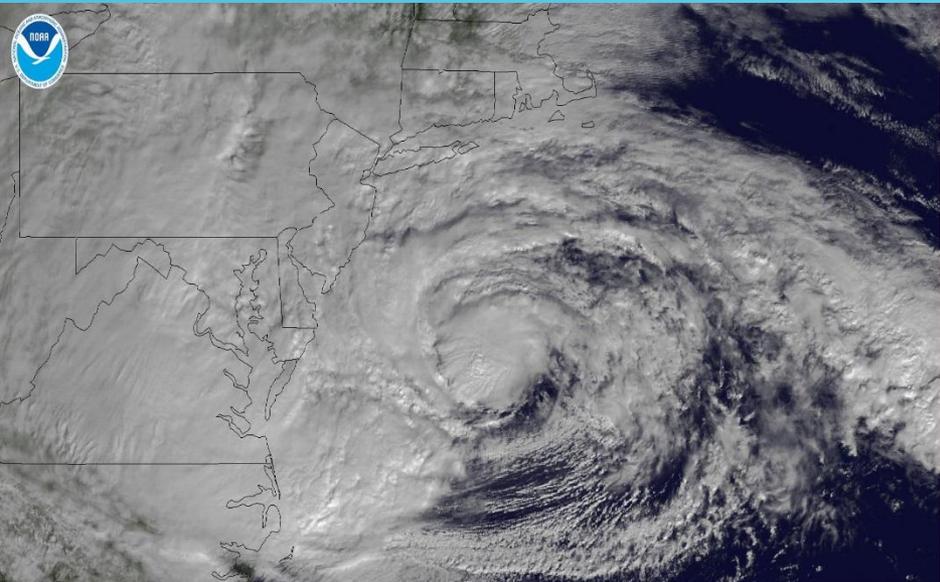


Amy Kerrigan
Director of
External Affairs

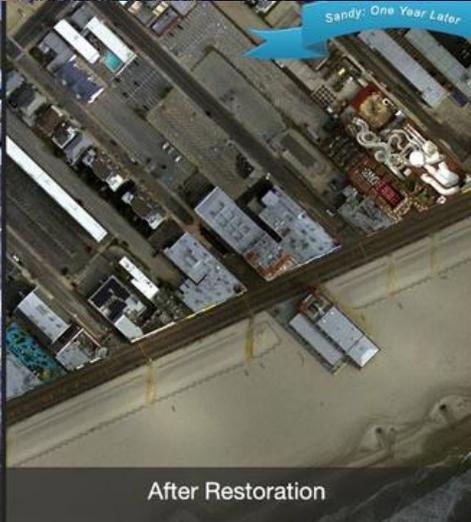
IMPACTS OF SHUTDOWN



REGIONAL HIGHLIGHTS



After Sandy



After Restoration

Sandy: One Year Later



CLIMATE NEWS

For Immediate Release

November 01, 2013

Executive Order -- Preparing the United States for the Impacts of Climate Change

EXECUTIVE ORDER

PREPARING THE UNITED STATES FOR THE IMPACTS OF CLIMATE CHANGE

By the authority vested in me as President by the Constitution and the laws of the United States of America, and in order to prepare the Nation for the impacts of climate change by undertaking actions to enhance climate preparedness and resilience, it is hereby ordered as follows:

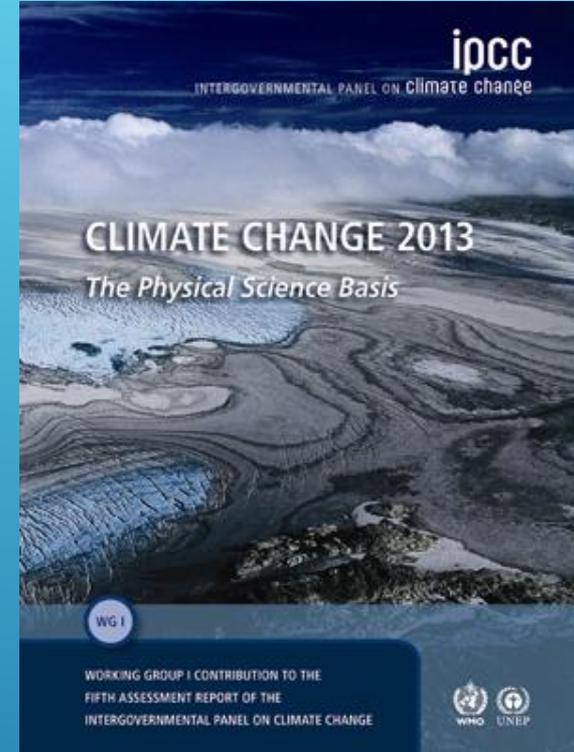
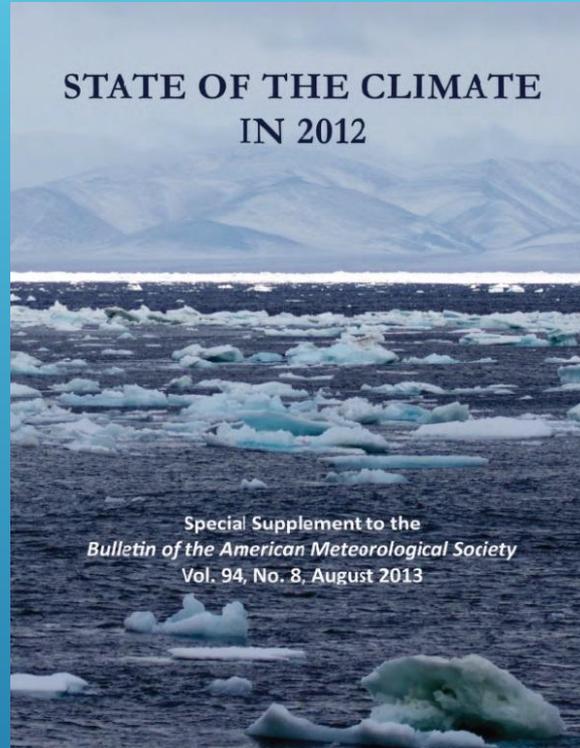
Section 1. Policy. The impacts of climate change — including an increase in prolonged periods of excess-below high temperatures, more heavy downpours, an increase in wildfires, more severe droughts, permanent snowing, ocean acidification, and sea-level rise — are already affecting communities, natural resources, economies, economies, and public health across the Nation. These impacts are often most significant for communities that already face economic or health-related challenges, and for species and habitats that are already facing other pressures. Managing these risks requires deliberate preparation, close cooperation, and coordinated planning by the Federal Government, as well as by state holders, to facilitate Federal, State, local, tribal, private-sector, and non-profit-sector efforts to improve climate preparedness and resilience, to safeguard our economy, infrastructure, environment, and natural resources, and provide for the continuity of essential department and agency operations, services, and programs.

A foundation for coordinated action on climate change preparedness and resilience across the Federal Government was established by Executive Order 13514 on October 5, 2009 (Federal Leadership in Environmental, Energy, and Economic Performance), and the Interagency Climate Change Adaptation Task Force led by the Council on Environmental Quality (CEQ), the Office of Science and Technology Policy (OSTP), and the National Oceanic and Atmospheric Administration (NOAA). In addition, through the U.S. Global Change Research Program (USGCRP), established by section 103 of the Global Change Research Act of 1990 (16 U.S.C. 2503), and agency programs and activities, the Federal Government will continue to support critical research, core national capabilities, and assessments necessary to improve our understanding of and response to climate change and its impacts on the Nation.

The Federal Government must build on recent progress and pursue new strategies to improve the Nation's preparedness and resilience. In doing so, agencies should promote: (1) engaged and strong partnerships and information sharing at all levels of government; (2) risk-informed decisionmaking and the tools to facilitate it; (3) adaptive learning, in which experiences serve as opportunities to learn and adjust future actions; and (4) preparedness planning.

Sec. 2. Modernizing Federal Programs to Support Climate Resilient Investment. To support the efforts of regions, States, local communities, and tribes, all agencies, consistent with the President and in coordination with the Council on Climate Preparedness and Resilience (COPR) established in section 6 of this order, shall:

- (a) identify and seek to remove or reform barriers that discourage investment or other actions to increase the Nation's resilience to climate change while ensuring protected protection of public health and the environment;
- (b) reform policies and Federal funding programs that may, perhaps unintentionally, increase the vulnerability of natural or built systems, economic sectors, natural resources, or communities to climate change related risks;



IMPROVED INFRASTRUCTURE

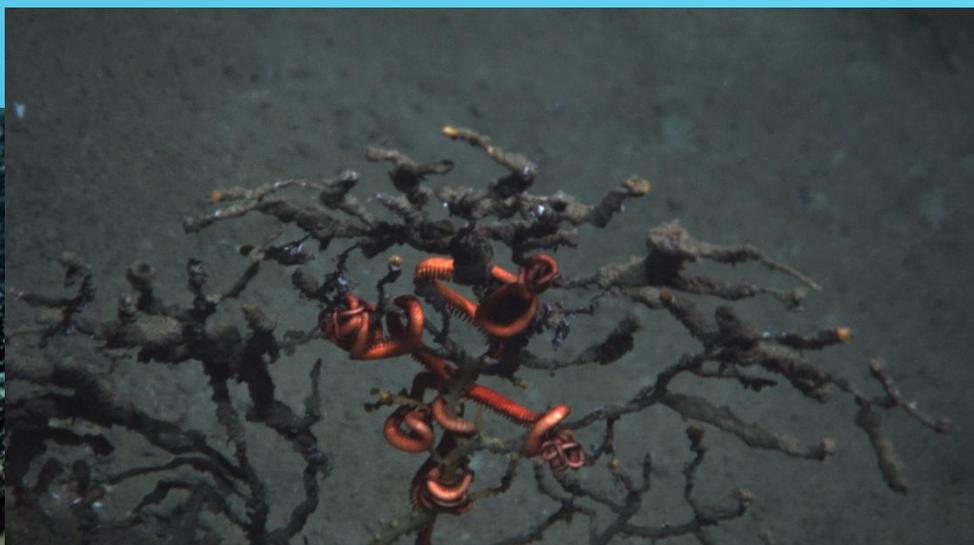


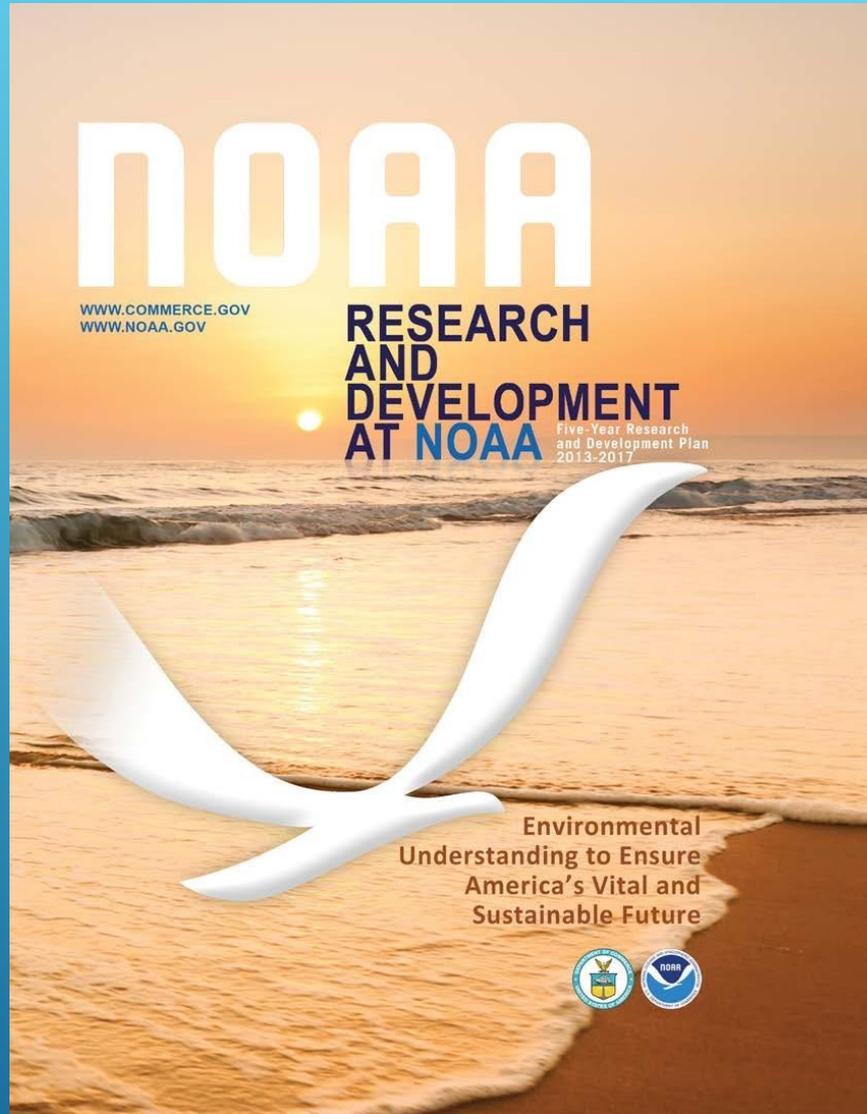
Weather and Climate Operational Supercomputer

U. S. CANYONS EXPEDITION



NOAA ECOLOGICAL RESEARCH





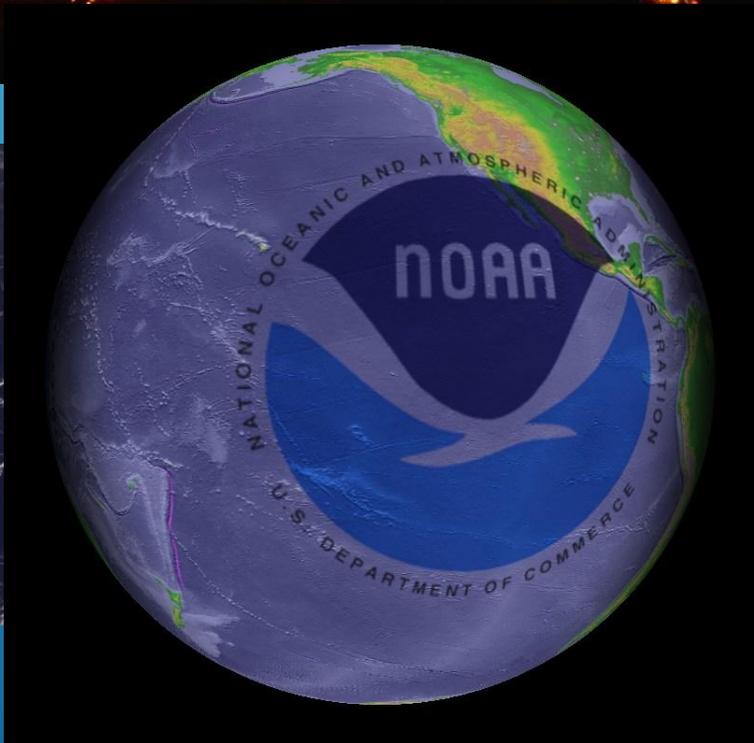
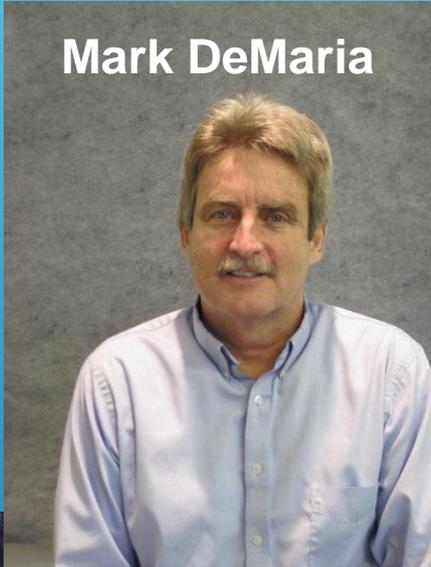
Priorities for the 100 days ahead



Mission first, people always

ACHIEVEMENTS

Mark DeMaria



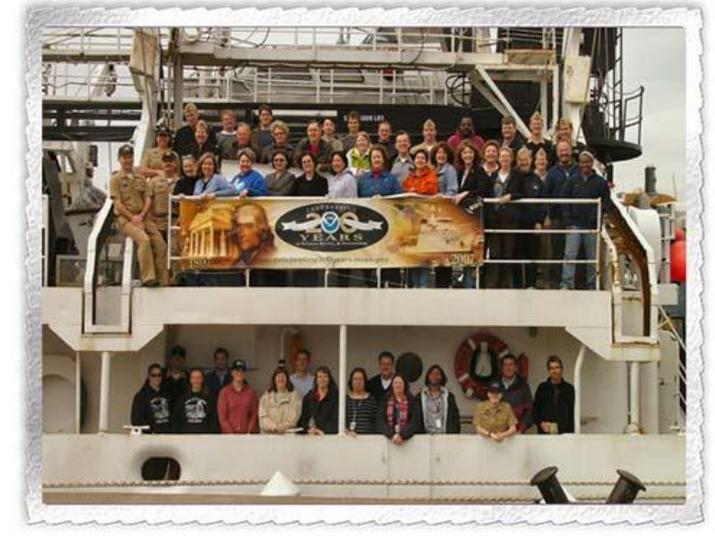
EMPOWERING SCIENCE AT NOAA

NOAA Science Career Track

Environmental Intelligence



Organizational Excellence



DEPARTMENT OF COMMERCE PRIORITIES



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